<u>REMARKS</u>

Reconsideration of the present application is respectfully requested. Claims 1-20 were previously canceled. Claims 21-45 are now pending.

In this amendment, claims 21, 22, 33 and 35 have been amended. No new matter has been added.

Claims 21, 22, 27, 32-34 and 45 stand rejected under 35 U.S.C. § 102(b) based on U.S. Patent no. 5,787,253 of McCreery et al. ("McCreery"). Claims 24, 26, 29, 30, 31, 35, 37, 39, 40, and 42-44 stand rejected under 35 U.S.C. § 103(a) based on McCreery.

Applicants respectfully traverse the rejections. The amendments to the claims are made only to place the claims in what Applicants consider to be better form. The amendments are <u>not</u> made in response to the rejections or to comply with any statutory requirement of patentability, since no such amendments are believed to be necessary.

Note that claim 33 has been amended to add a period (".") at the end of the claim.

The present invention generally relates to a method and apparatus that allow customized logging of message fields by a network cache. Among other features, embodiments of the invention give a user (e.g., a network administrator) the choice to include or exclude particular message fields from a log format and give the user the

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ability to specify the order in which each particular field will appear in a log file. For

example, claim 34 provides:

> 34.   (Previously presented) A device for logging information in a network
> cache, the device comprising:
>   a user interface to allow a user **to select a protocol, to select for
> logging some or all of a plurality of fields** of a message from a remote
> node, the fields depending upon a protocol of the message, and **to
> specify a sequence in which the selected fields are to appear in a log
> file;**
>   a protocol specific application module to obtain information for each
> selected field associated with the message;
>   a protocol independent log module to receive information for each
> selected field from the protocol specific application module and to store
> the information for each selected field in a log file **in the sequence
> specified by the user.**
> (Emphasis added.)

McCreery does not disclose or even suggest a device such as recited in claim

34. In particular, McCreery does not disclose or suggest enabling a user to select a

protocol. Further, nowhere does McCreery disclose or suggest enabling a user to

select particular fields of a message for logging. In addition, McCreery fails to disclose

or suggest enabling a user to specify a sequence in which the selected fields are to

appear in a log file. Moreover, McCreery also does not disclose or suggest that a

protocol independent log module receives information for each selected field from a

protocol specific application module and stores the information for each selected field in

a log file in the sequence specified by the user.

As to the "user interface" element, the Examiner mistakenly cites McCreery as

disclosing the recited functionality at col. 7, lines 10-16 and 60-67 and col. 5, lines 30-

42. The cited text states that selected data can be displayed on a display device, and

that an output communication module 328 includes routines for configuring data reports.

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It also states that the data report <u>routines</u> . . . can be customized according to each particular application" (col. 7, lines 64-67)(emphasis added). However, there is absolutely no disclosure or suggestion there (or elsewhere in McCreery) of allowing a user <u>to select a protocol</u>, or <u>to select particular fields of a message for logging</u>, or <u>to specify a sequence in which the selected fields are to appear in a log file</u>. As to this last feature, it is noted that McCreery's mere disclosure that a report routine (algorithm) can be customized is no suggestion of specifically enabling a user to specify a sequence in which selected fields are to appear in a log file.

In addition, McCreery also does not disclose or suggest that a protocol independent log module receives information for each selected field from a protocol specific application module and stores the information for each selected field in a log file <u>in the sequence specified by the user</u>. The Examiner incorrectly cites McCreery as disclosing this functionality at col. 5, lines 30-43; col. 2, lines 16-20 and 46-49; and col. 7, lines 27-32 and 51-59. Applicants have carefully reviewed the cited text and find no disclosure or suggestion there (or elsewhere in McCreery) of this claim feature, or anything even relevant to this claim feature.

Therefore, claim 34 is not anticipated or rendered obvious by McCreery.

Each of the other independent claims in the present application includes one or more of the claim features discussed above and is, therefore, patentable over the cited art for reasons discussed above. For example, method claim 27 provides:

> 27.   (Previously presented) A method of logging information in a network cache, the method comprising:
> providing a user interface **to allow a user to select for logging some or all of a plurality of fields that may be present in a message**

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from a remote node **and to specify a sequence in which the selected
fields are to appear in a log file;**

storing in a first data structure a value indicating the position in the
user-specified sequence of each selected field;

In response to a message received over a network from a remote
node,

obtaining information for each selected field associated with
the message and storing the information in a second data structure, in a
sequence independent of the user-specified sequence,

storing in a third data structure, based on the first data
structure, a reference to the information for each selected field stored in
the second data structure, including storing each reference in a location of
the third data structure that corresponds to the position in the user-
specified sequence of the corresponding field; and

using the third data structure to output the information for
each selected field in the second data structure to a log file, such that the
information for each selected field appears in the log file **according to the
user-specified sequence.**

(Emphasis added.)

As noted above, McCreery neither discloses nor suggests the emphasized claim

features.

McCreery also fails to disclose or suggest the particular implementation recited in

claim 27, i.e., the particular manner of employing three data structures (the first, second

and third data structures in claim 27) to accomplish the customized logging. Similar

features also appear in independent claims 35, 40, 44 and 45. For these additional

reasons, therefore, claims 27, 35, 40, 44 and 45 are also patentable over the cited art,

along with their dependent claims.

<u>Dependent Claims</u>

In view of the above remarks, a specific discussion of the dependent claims is

considered to be unnecessary. Therefore, Applicants' silence regarding any dependent

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claim is not to be interpreted as agreement with, or acquiescence to, the rejection of such claim or as waiving any argument regarding that claim.
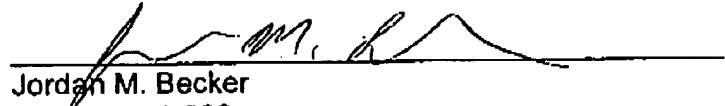
Conclusion

For the foregoing reasons, the present application is believed to be in condition for allowance, and such action is earnestly requested.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

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